

Amendment and Response to Restriction Requirement
Application No. 09/855,340

Amendment to the claims

This listing of claims will replace all prior versions and listings of claims in the Application.

Listing of the claims

Please cancel claim 22 without prejudice.

1 (Amended). An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NOS: 1-3.

2 (Original). An isolated polynucleotide of claim 1, wherein said polynucleotide encodes an integrase.

3 (Original). An isolated polynucleotide of claim 1, wherein said polypeptide encodes an excisionase.

4 (Original). An isolated polynucleotide of claim 1, wherein said polypeptide encodes an integrase attachment site.

5 (Cancelled).

6 (Amended). A recombinant vector comprising one or more nucleotide sequences selected from the group consisting of SEQ ID NOS: 1-3.

7 (Cancelled).

8 (Original). A recombinant vector comprising SEQ ID NOS: 1-3.

9 (Original). The recombinant vector of claim 6, wherein said vector is an integrating vector.

10 (Amended). The recombinant vector of claim 8, wherein said vector is an integrating vector.

11 (Original). A host cell comprising the vector of claim 6.

12 (Amended). A host cell comprising the vector of claim 8.

13 (Original). The host cell of claim 11, wherein said host cell is bacterial.

14 (Original). The host cell of claim 13, wherein said host cell is an actinomycete.

15 (Original). The host cell of claim 14, wherein said host cell belongs to the genus *Micromonospora*.

16 (Original). The host cell of claim 12, wherein said host cell is an actinomycete.

17 (Original). The host cell of claim 16, wherein said actinomycete belongs to the genus *Micromonospora*.

18 (Amended). A method for transforming an actinomycete with a vector

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comprising a polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NOS: 1-3 comprising the step of contacting said actinomycete with said vector under conditions permitting transformation of said actinomycete.

19. (Cancelled)

20 (Amended). The method of claim 18, wherein said vector comprises all of the nucleotide sequences set forth in SEQ ID NOS: 1-3.

21 (Amended). The method of claim 20, wherein said vector comprises a promoter.

22 (Cancelled).

23 (Cancelled).